



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Ruskin Company
3900 Dr. Greaves Road
Grandview, MO 64030

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model ELC6375DXD Aluminum Combination Louver

APPROVAL DOCUMENT: Drawing No. **60-022114-00B**, titled "ELC6375DXD - Combination Louver" sheets 1 through 9 of 9, dated 11/15/2008, with revision C dated 09/18/2015, prepared by Ruskin Company, signed and sealed by Chelsea GQ Welch, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Geneva, AL, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 14-0211.15 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
11/24/2015

NOA No. 15-0930.12
Expiration Date: February 11, 2019
Approval Date: December 3, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **60-022114**, titled "ELC6375DXD - Combination Louver", sheets 1 through 9 of 9, dated 11/15/2008, with revision C dated 09/18/2015, prepared by Ruskin Company, signed and sealed by Chelsea GQ Welch, P.E.

B. TESTS *"Submitted under NOA # 12-0913.13"*

1. Test report on High Velocity Wind Driven Rain Resistance per AMCA 550 of a Model ELC6375DXD Extruded Combination Louver, prepared by PRI Construction Materials Technologies, LLC, Test Report No. **RCV-016-02-01**, dated 09/07/2012, signed and sealed by Duc T. Nguyen, P.E.

"Submitted under NOA # 08-1211.05"

2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Model ELC6375DXD Combination Louvers, prepared by National Certified Testing Laboratories, Test Report No. **210-3550-1**, dated 10/27/2008, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS

1. Wind load review prepared by Ruskin Company, dated 09/08/2015, signed and sealed by Chelsea GQ Welch, P.E.

"Submitted under NOA # 14-0211.15"

2. Wind load bending and anchoring calculations, dated 01/23/2014, prepared by Ruskin Company, signed and sealed by Edward P. Hutson, Jr., P.E.

"Submitted under NOA # 08-1211.05"

3. Wind load bending and anchoring calculations, dated 11/14/2008, pages 1 to 23 of 23, prepared by Ruskin Company, signed and sealed by Daniel J. Rau, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)



11/29/2015

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0930.12

Expiration Date: February 11, 2019
Approval Date: December 3, 2015

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E. MATERIAL CERTIFICATIONS *"Submitted under NOA # 12-0913.13"*


1. Test report on impact test per AMCA 540 of an ELC6375DXD louver, prepared by Ruskin Company, Test Report No. **070212B**, dated 07/02/2012, signed and sealed by Daniel J. Rau, P.E.

F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Ruskin Company, dated 09/22/2015, signed and sealed by Chelsea GQ Welch, P.E.

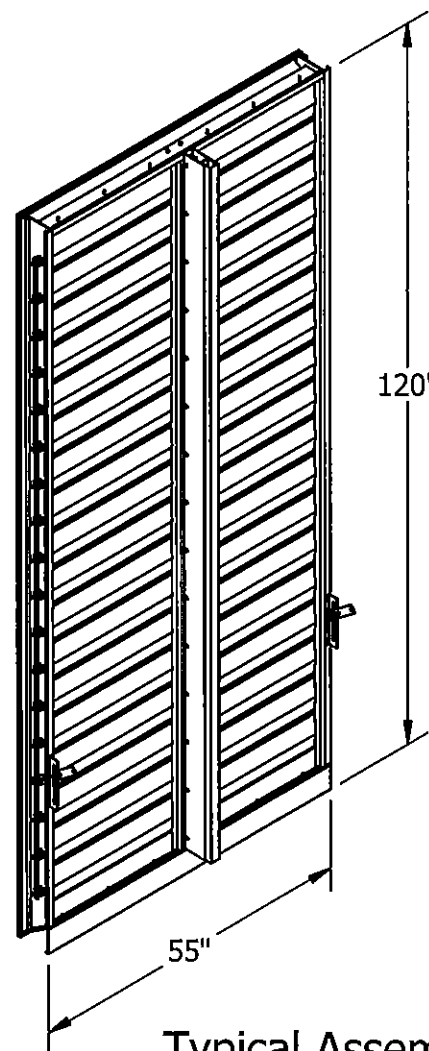
"Submitted under NOA # 14-0211.15"

2. Statement letter of code conformance to 2010 FBC, issued by Ruskin Company, dated 01/23/2014, signed and sealed by Edward P. Hutson, Jr., P.E.
3. No financial interest letter issued by Ruskin Company, dated 01/23/2014, signed and sealed by Edward P. Hutson, Jr., P.E.

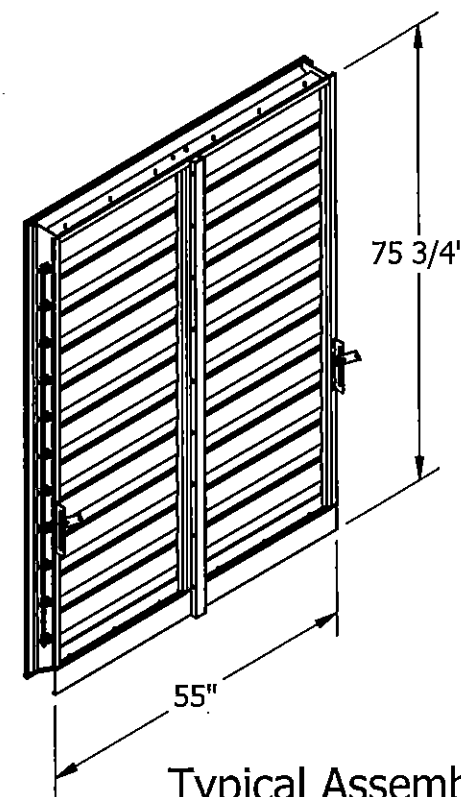
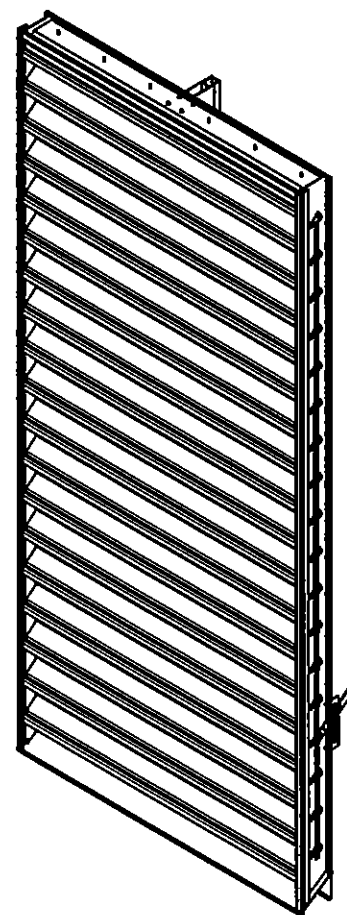


11/24/2015

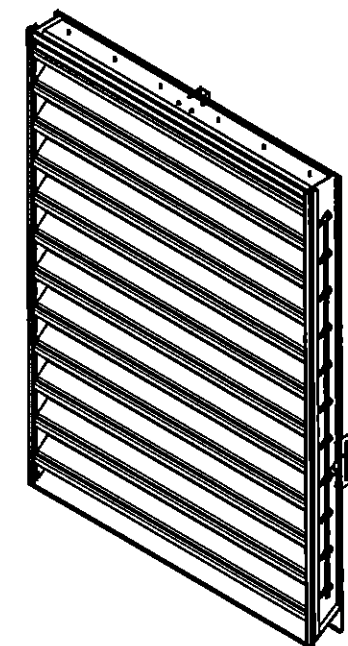
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0930.12
Expiration Date: February 11, 2019
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Typical Assembly Section - Ref. Sheet 5



Typical Assembly Section - Ref. Sheet 4



NOTES: (C)

1. The ELC6375DXD Has Been Tested In Accordance With Florida Protocols TAS-201, 202 & 203 For Large Missile Impact, Uniform Pressure And Cyclic Wind Pressure.

2. This Louver System Is Approved For Applications With Design Pressures Of ± 110 PSF Or Less.

3. AMCA 550 Wind Driven Rain Test Has been Performed On This Combination Louver.

4. This Louver System Is Non-Bearing And Is Not Designed To Withstand Building Dead Loads.

5. It Shall Be The Responsibility Of Permit Holder/Building Design Engineer Of Record To Verify The Structural Integrity Of The Structure To Support The Loads Imposed By This Louver System.

6. Maximum Single Section Size: 55" Wide X 120" High.

7. Maximum Assembled Louver Size: Unlimited Wide X 120" High. Max. Mullion Spacing Is 55".

8. Sections Or Assemblies May Be Stacked Vertically Provided A Suitable Structural Support Is Designed And Installed By Others To Support All Loads Transferred From The Louver.

9. All Fasteners Shall Be Corrosion Resistant.

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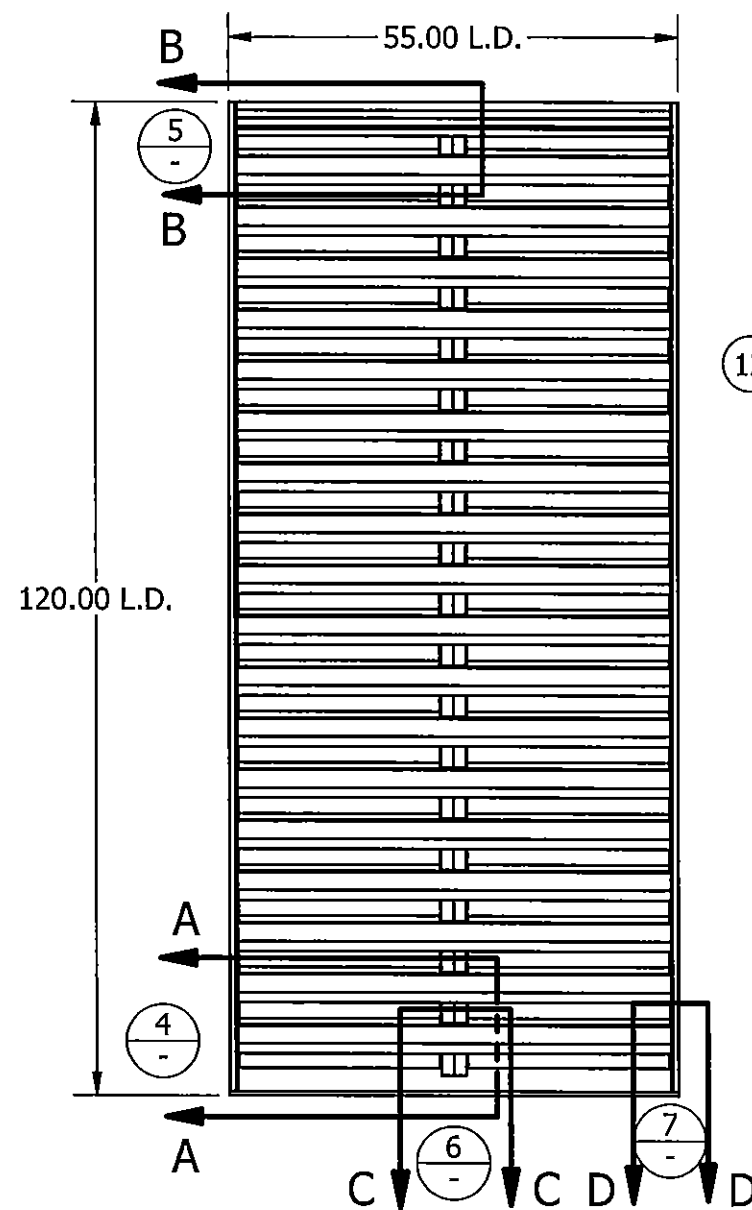
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0930.12
Expiration Date 02/11/2015
By *[Signature]*
Miami Dade Product Control

(C)

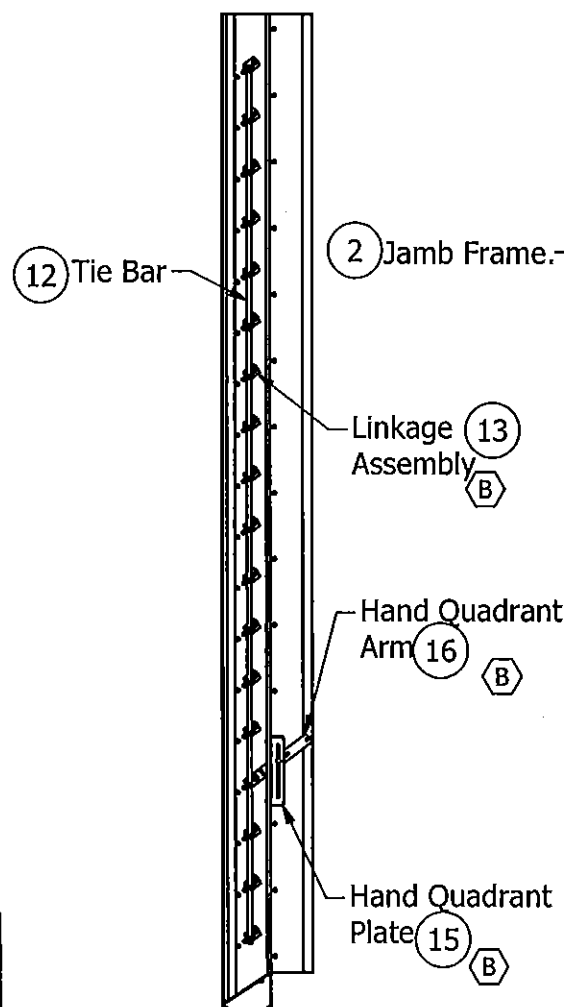
Engineer Of Record:
Chelsea G. Welch
Engineering Discipline:
Civil/Structural
Registration Number:
FL #67221

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B	Engineer Of Record, Notes	DRP	RKP			1/23/14	
A	Note 7	VMA	DWS	DJR		11/5/08	
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CHECKED		DJR	11/15/2008				
APPROVED		DJR	11/15/2008				
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				TITLE ELC6375DXD - Combination Louver - Notes And Sections			
				SIZE B	DWG NO 60-022114-00B	REV	
ECN		SCALE		INVENTOR		SHEET 1 OF 9	

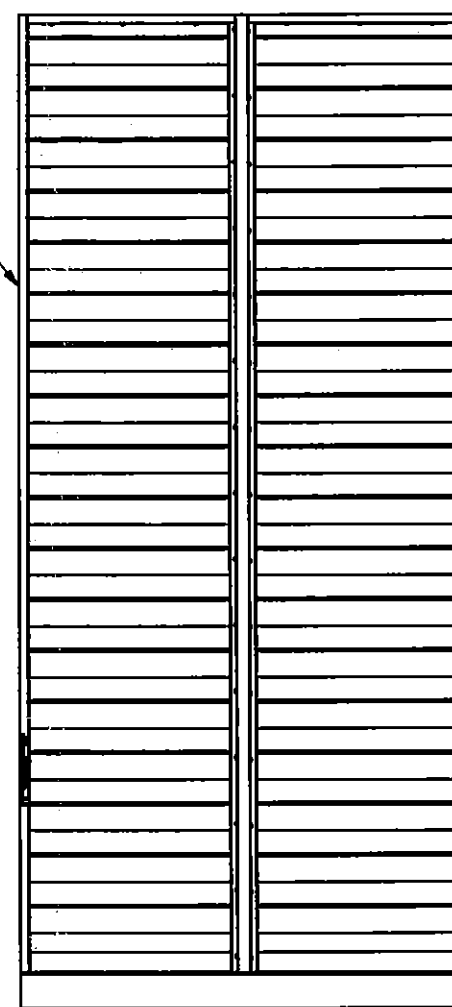
Chelsea G. Welch
9/22/2015



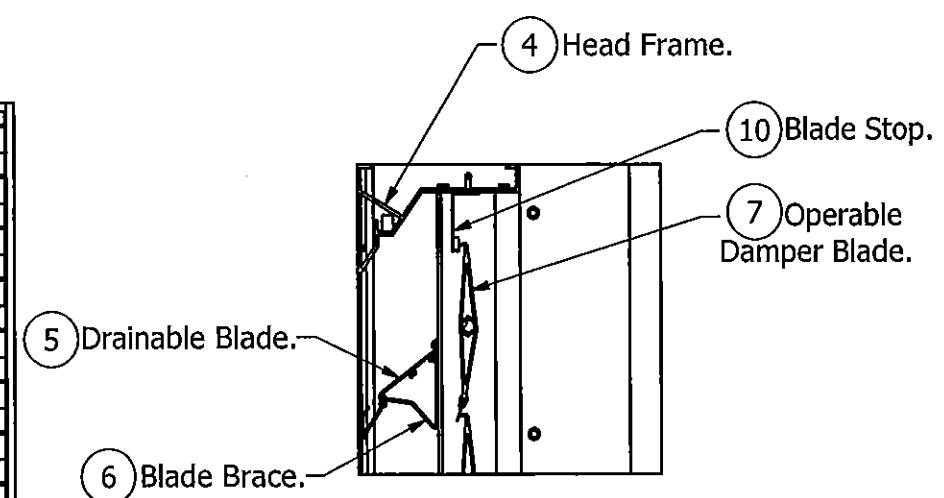
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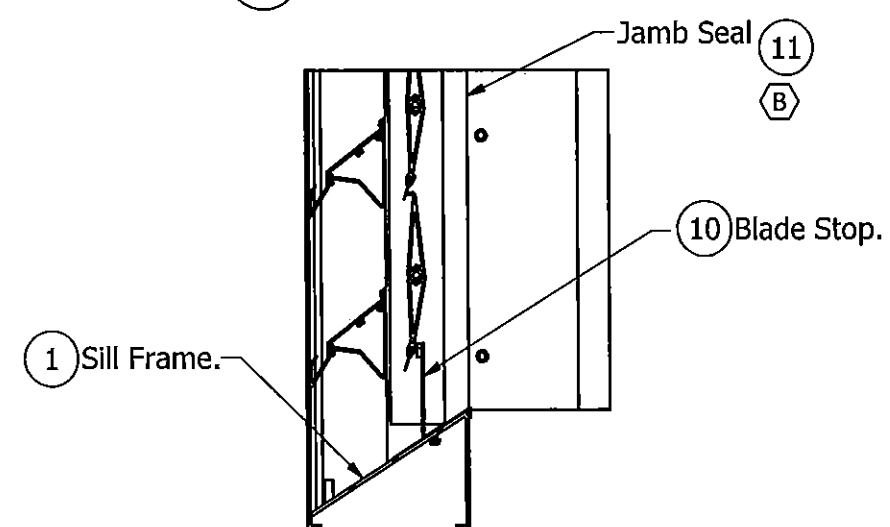
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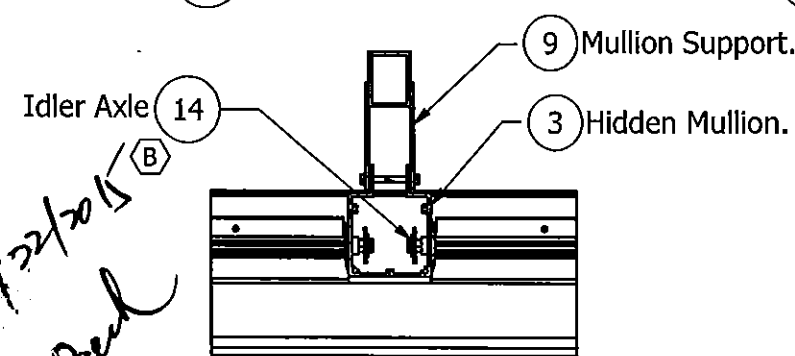
(3) Rear Elevation



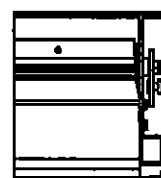
(5) SECTION B-B



(4) SECTION A-A



(6) SECTION C-C



(7) SECTION D-D

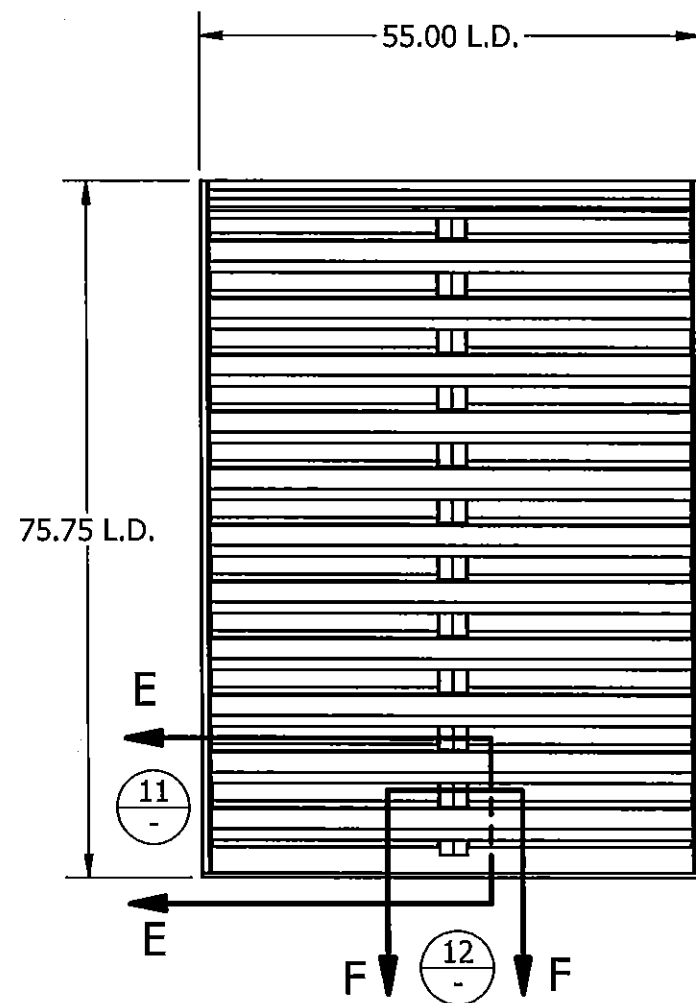
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Expiration Date 02/11/2019
By *[Signature]*
Miami Dade Product Control

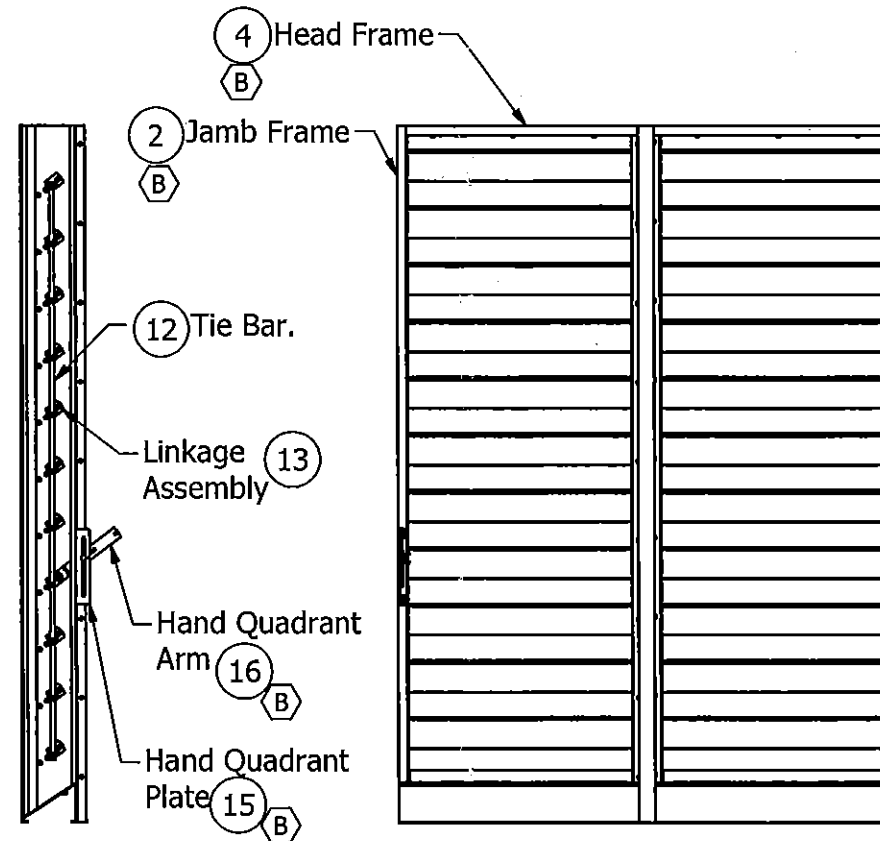
(C) Engineer Of Record:
Chelsea G. Welch
Engineering Discipline:
Civil/Structural
Registration Number:
FL #67221

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CHECKED	DJR	11/15/2008					
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			SIZE B		DWG NO 60-022114-00B	REV	
ECN		SCALE	INVENTOR		SHEET 2 OF 9		

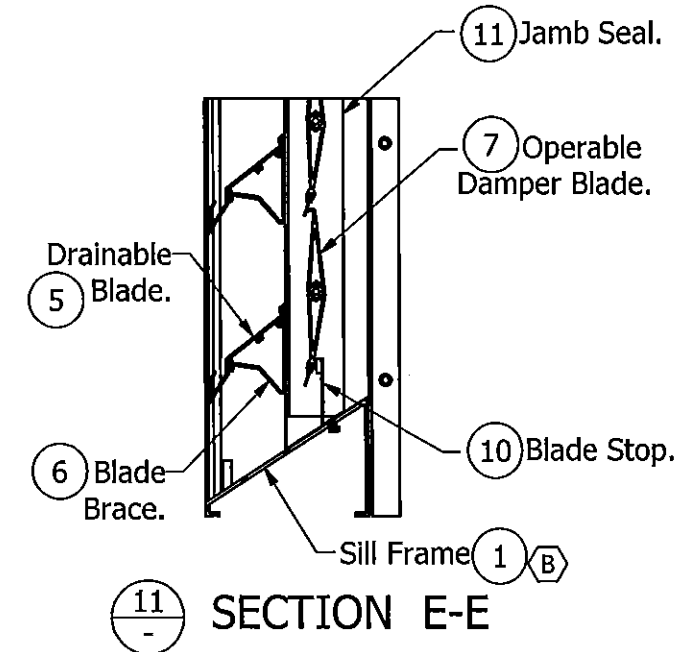
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Chase Welch



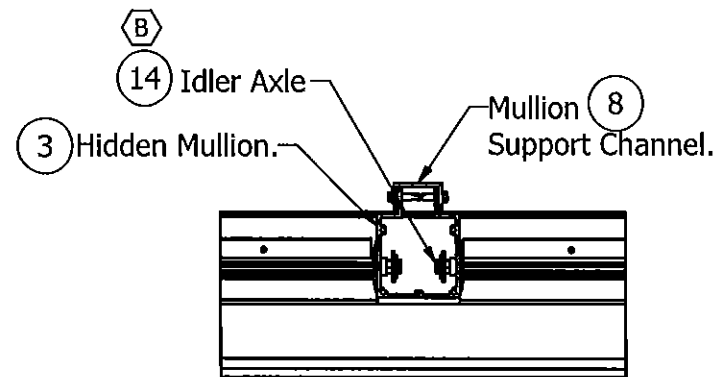
9 Front Elevation



8 Side Elevation



10 Rear Elevation



12 SECTION F-F

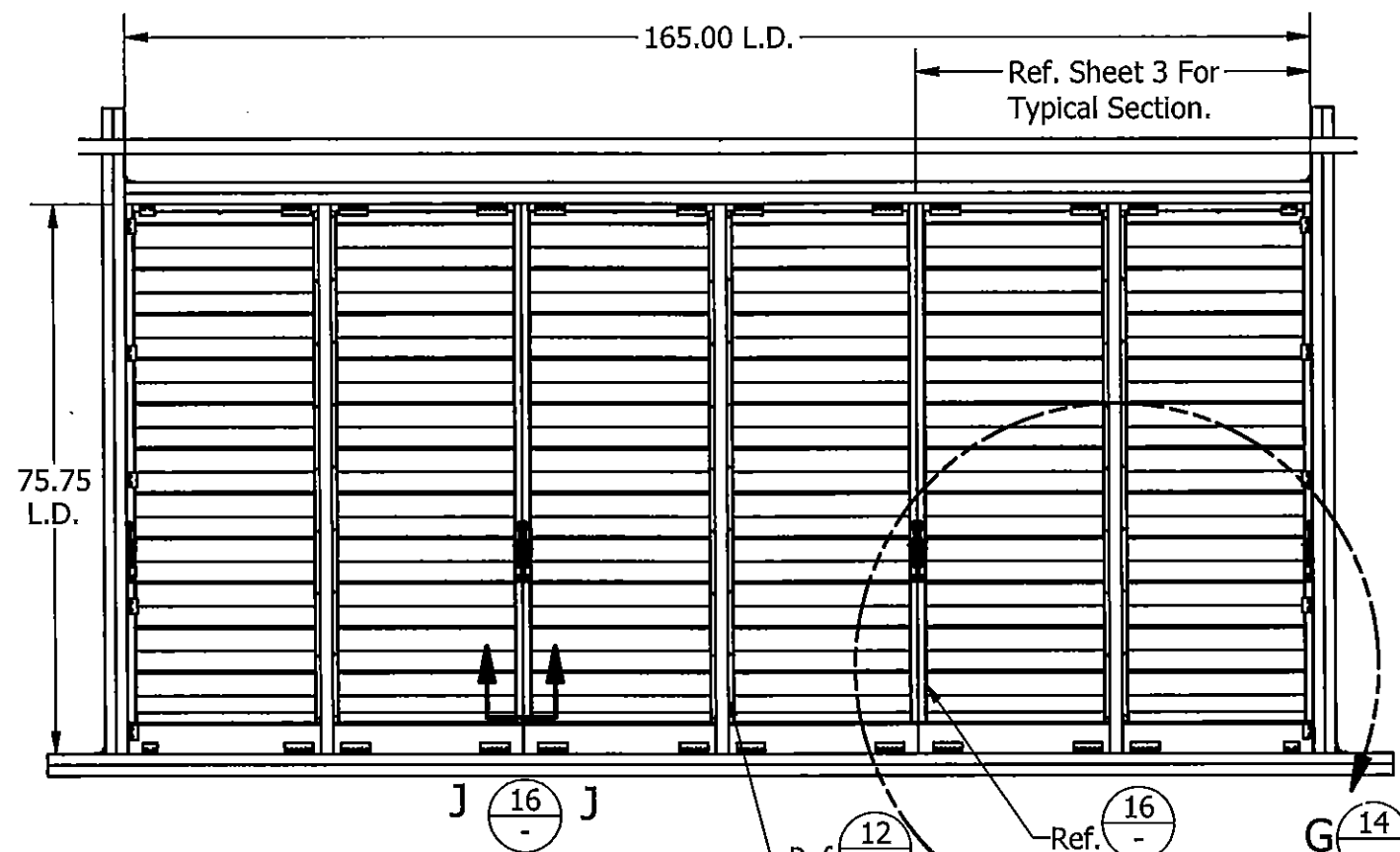
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Miami Dade Product Control

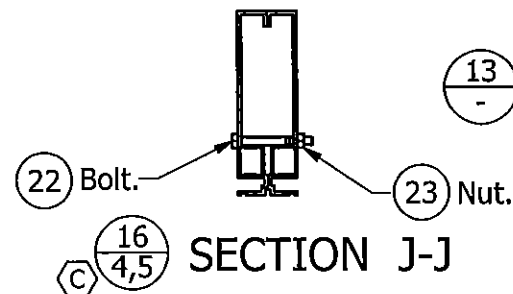
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Engineer Of Record:
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Engineering Discipline:
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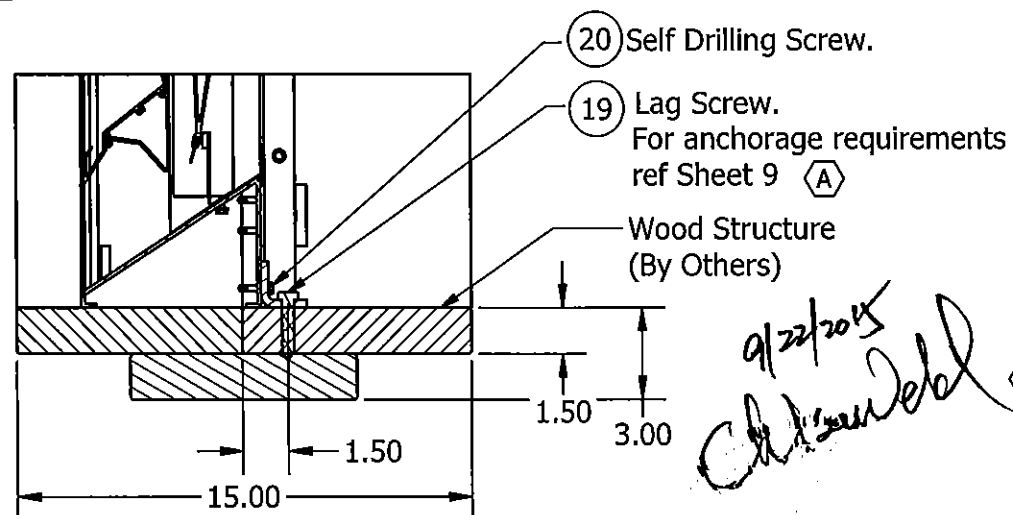
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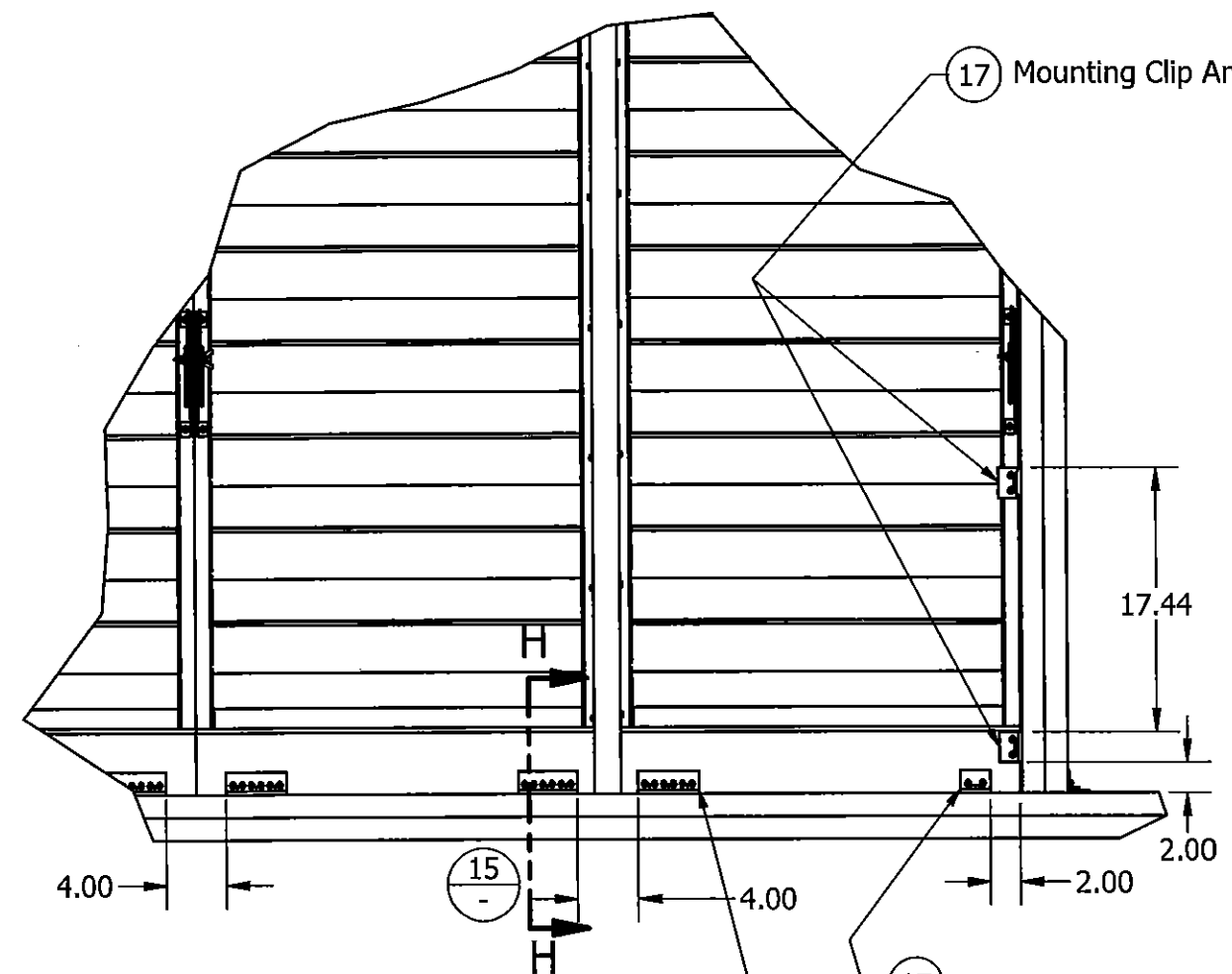
13 - Rear Elevation



SECTION J-J



15 - SECTION H-H



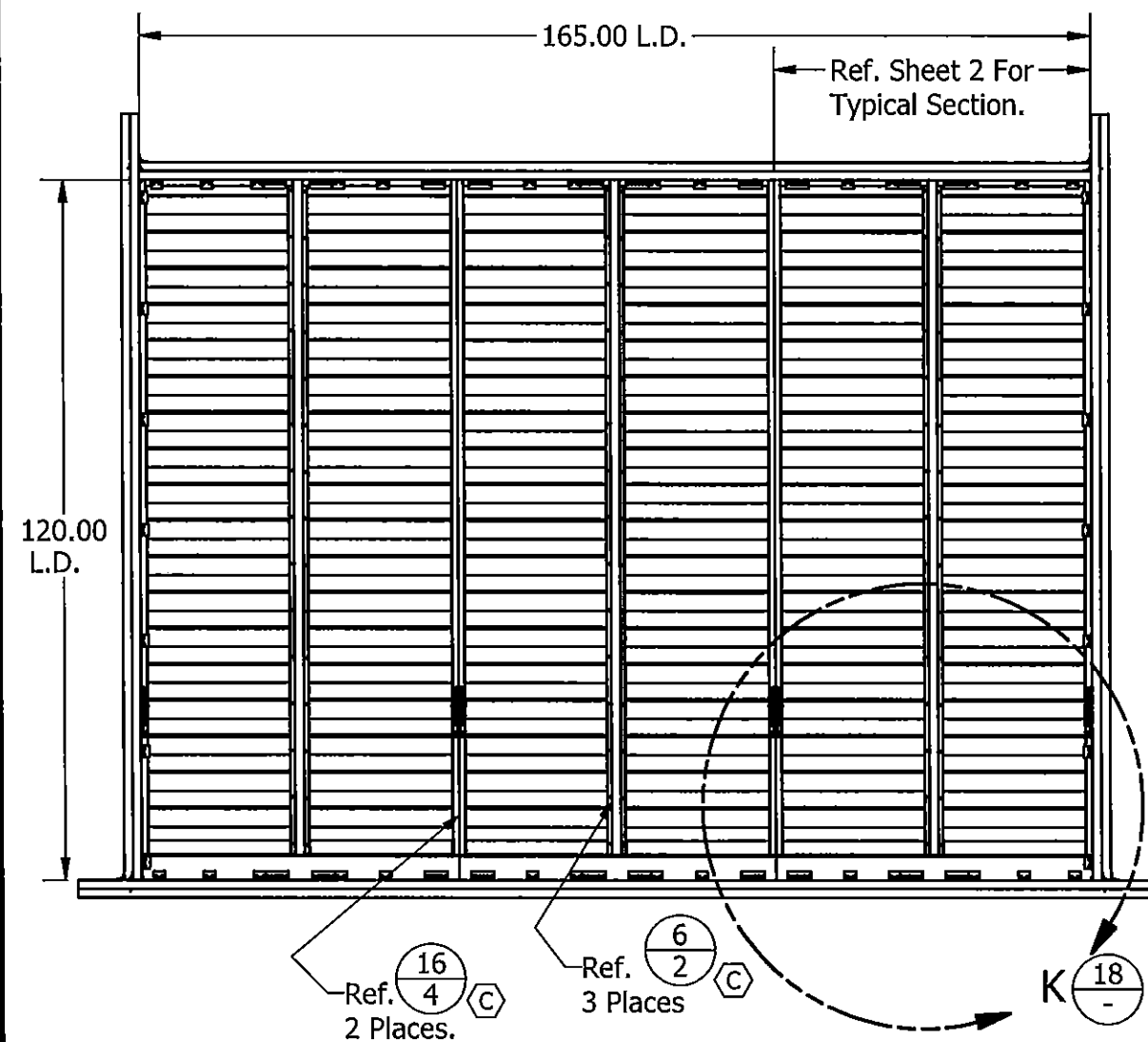
14 - DETAIL G

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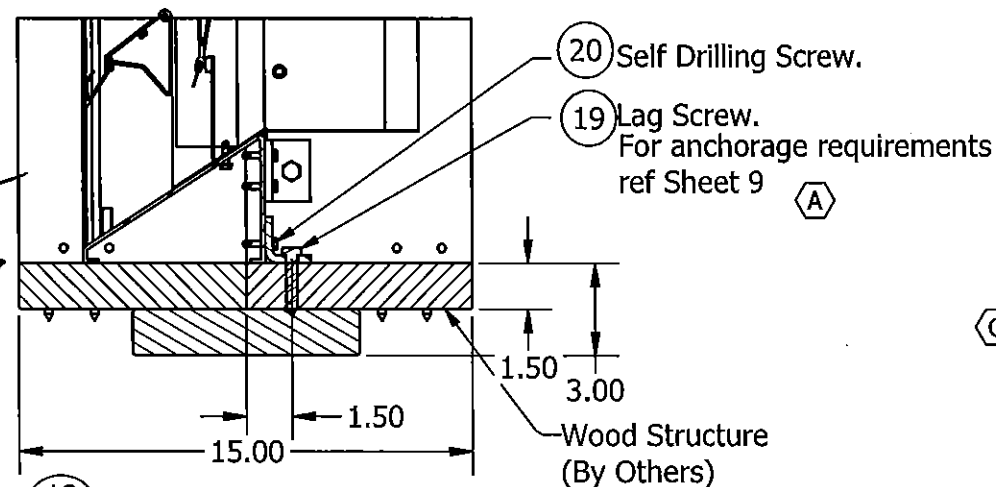
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Acceptance No 15-0930-12
Expiration Date 02/11/2018
By *[Signature]*
Miami/Dade Product Control

Engineer Of Record:
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Engineering Discipline:
Civil/Structural
Registration Number:
FL #67221

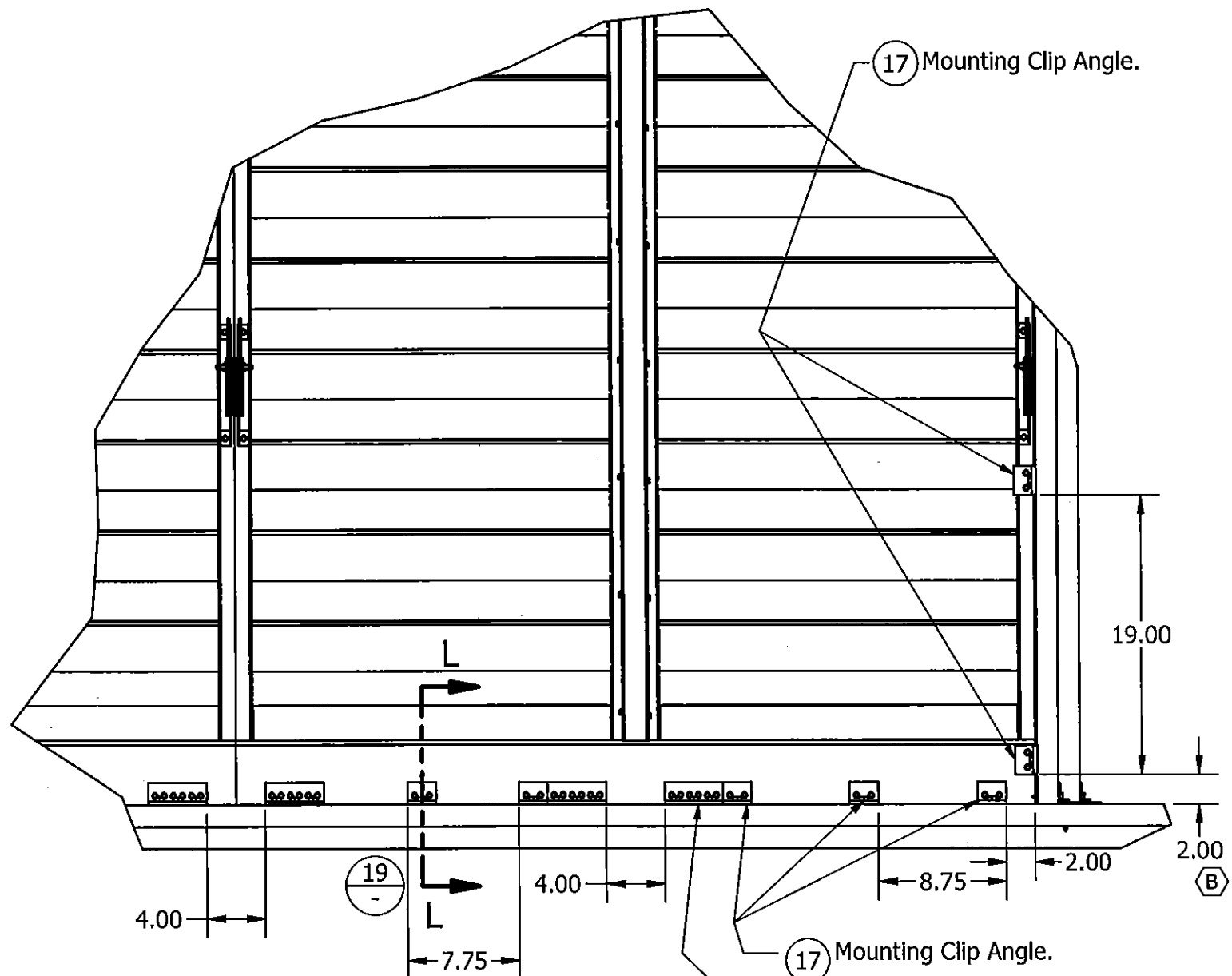
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ECN			SCALE		INVENTOR			SHEET 4 OF 9



(17) Rear Elevation



(19) SECTION L-L



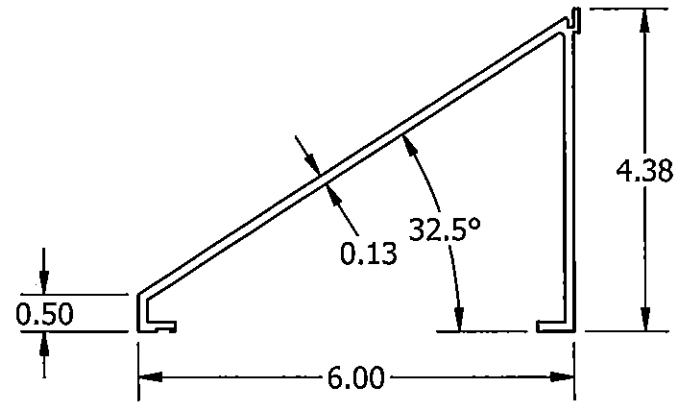
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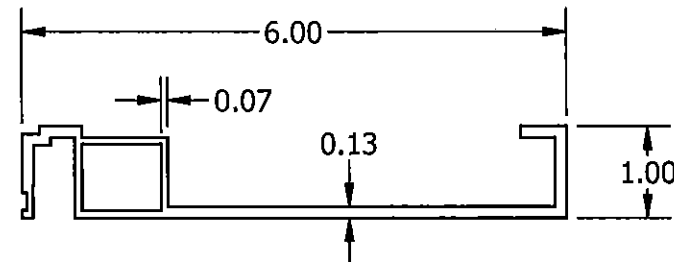
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Expiration Date 02/11/2019
By *[Signature]*
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(C) Engineer Of Record:
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Engineering Discipline:
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Registration Number:
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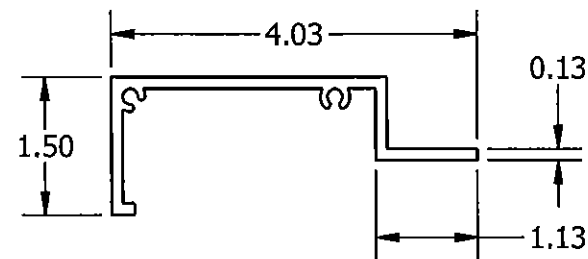
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SCALE			INVENTOR				SHEET 5 OF 9



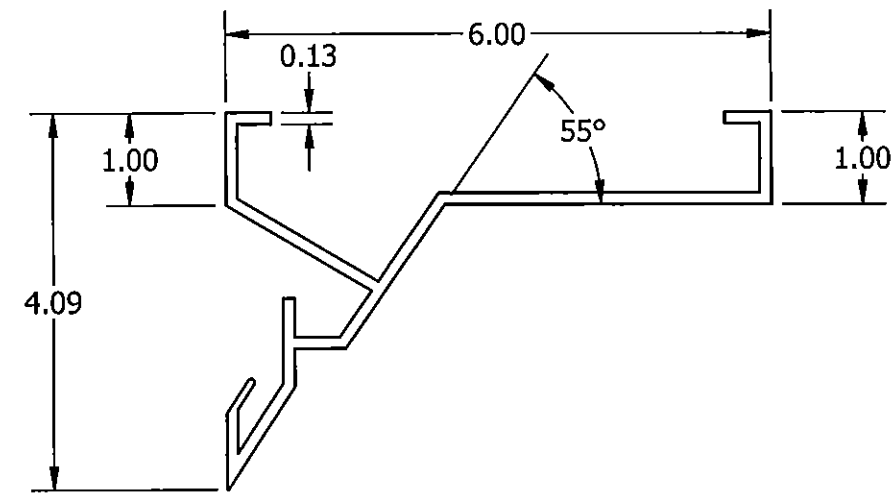
Item 1 - Aluminum Sill Frame - Plant Ref. 70-021130-00B



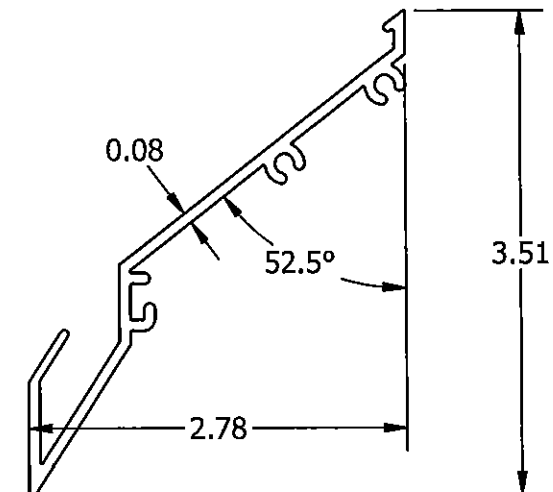
Item 2 - Aluminum Jamb Frame - Plant Ref. 70-020691-00B



Item 3 - Aluminum Hidden Mullion - Plant Ref. 70-021791-00B



Item 4 - Aluminum Head Frame - Plant Ref. 70-020689-00B



Item 5 - Aluminum Drainable Blade - Plant Ref. 70-021718-00B

Chelsea G. Welch
9/22/2015

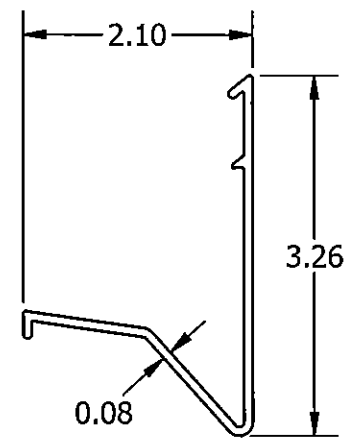
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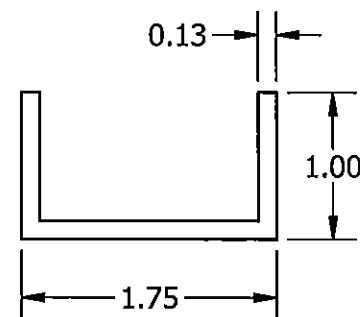


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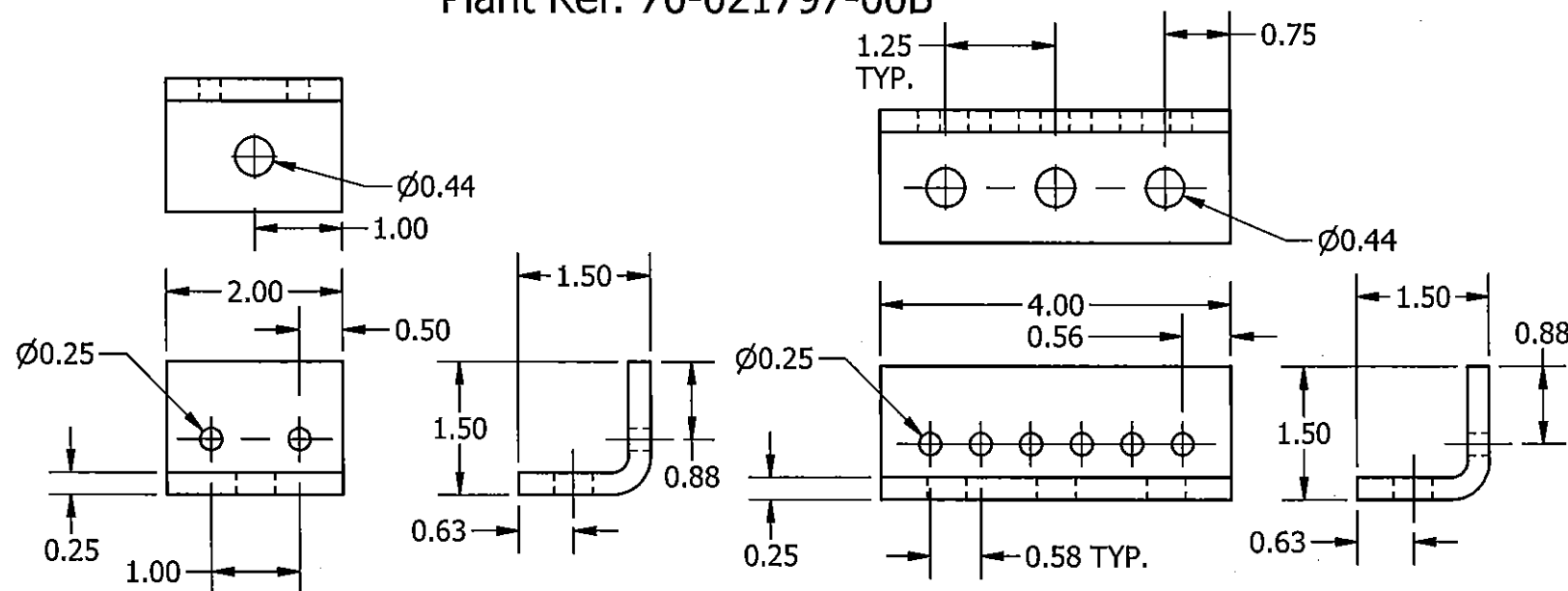
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ECN			SCALE		INVENTOR			SHEET 6 OF 9



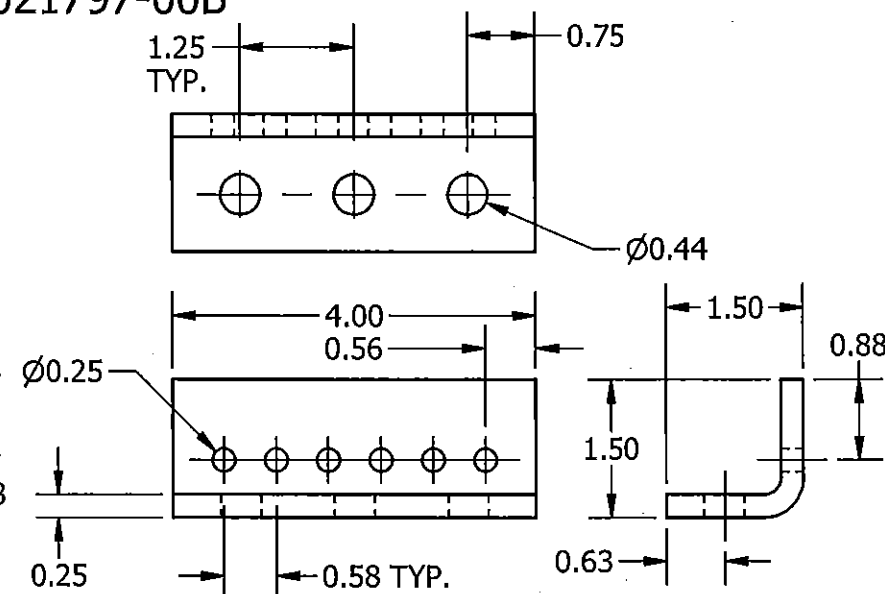
Item 6 - Aluminum Blade Brace - Plant Ref. 70-021719-00B



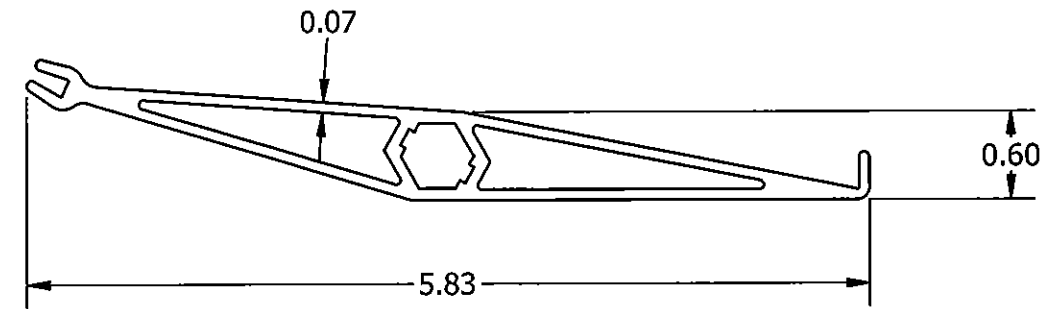
Item 8 - Aluminum Mullion Support Channel -
Plant Ref. 70-021797-00B



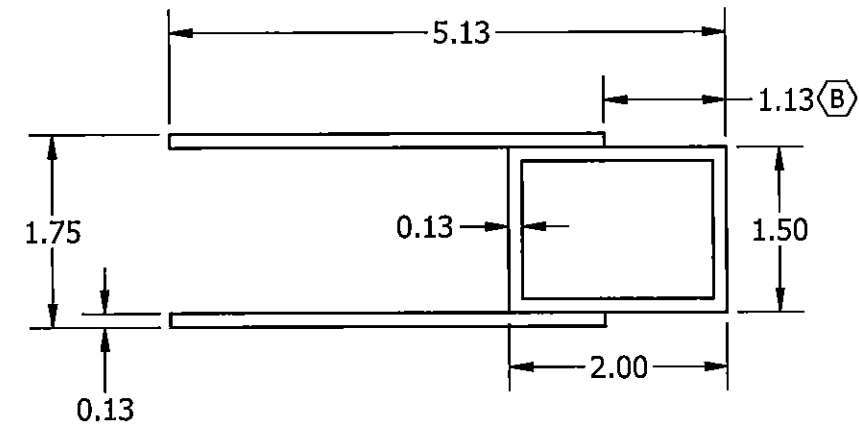
Item 17 - Aluminum Mounting Clip Angle



Item 18 - Aluminum Mounting Clip Angle



Item 7 - Aluminum Operable Damper Blade - Plant Ref. 70-021027-00B



Item 9 - Aluminum Mullion Support

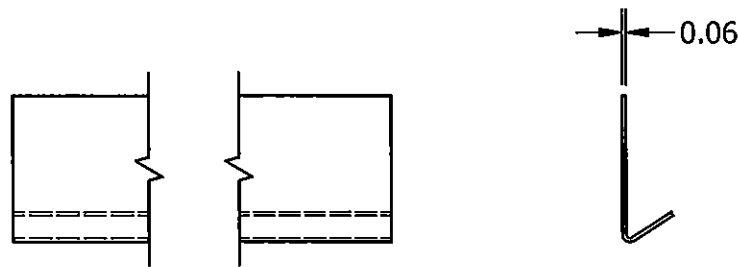
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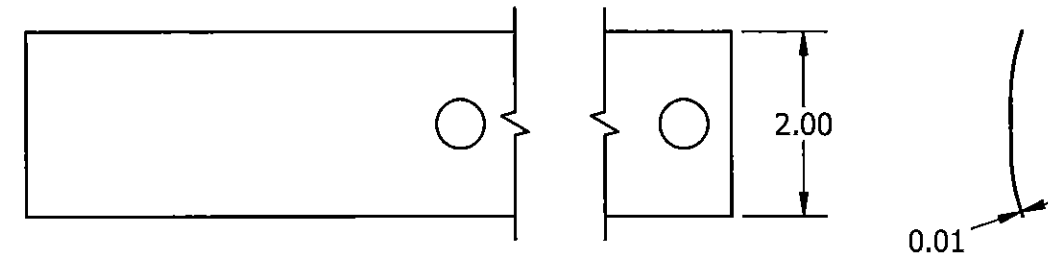
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Engineer Of Record:
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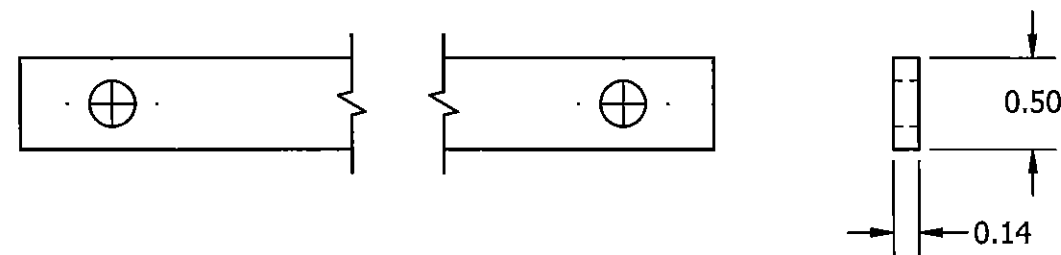
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B	Engineer Of Record, Added Dim.	DRP	RKP			1/23/14	
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AUTHOR		ENK	8/15/2008	RUSKIN Air & Sound Control 3900 Doctor Greaves Road, Grandview, MO 64030			
CHECKED		DJR	11/15/2008				
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MATERIAL		PRODUCT					
		TITLE					
		ELC6375DXD - Combination Louver - Parts					
		SIZE		DWG NO	60-022114-00B	REV	
		B					
ECN		SCALE		INVENTOR	SHEET 7 OF 9		



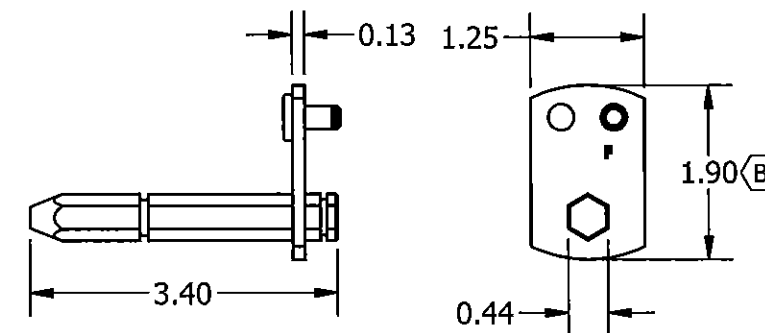
Item 10 - Aluminum Blade Stop



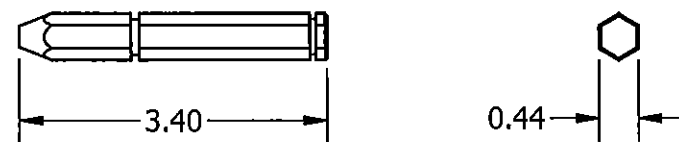
Item 11 - Jamb Seal - Plant Ref. 2" x 0.01" Stainless Steel.



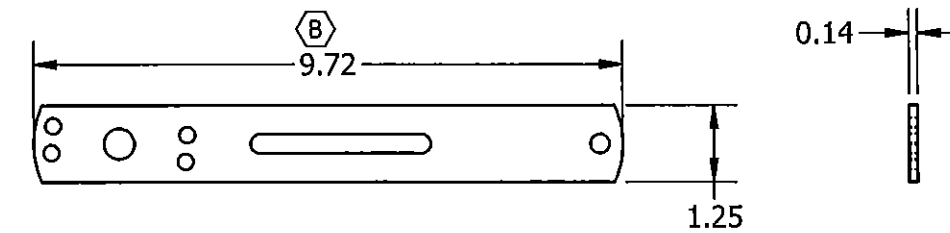
Item 12 - Tie Bar - Plant Ref. 10Ga. x 0.50" Galv. Steel.



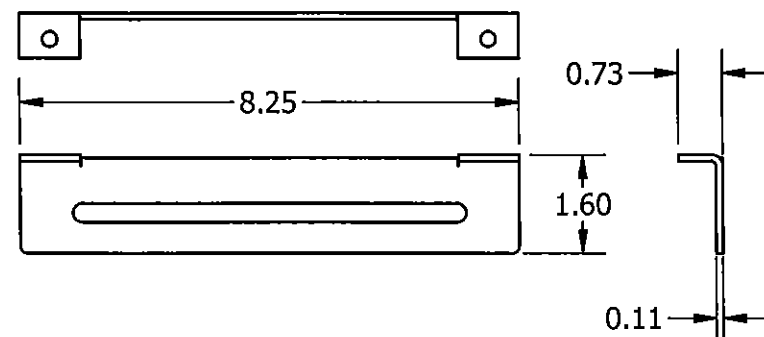
Item 13 - Steel Linkage Assembly -
Plant Ref. 77-002008-01B



Item 14 - Zinc Plated Steel Idler Axle
Plant Ref. 77-002302-01A



Item 16 - Galv. Steel Hand Quadrant Arm
Plant Ref. 73-003021-01B



Item 15 - Galv. Steel Hand Quadrant Plate -
Plant Ref. 70-003023-00B

FOR OFFICE USE ONLY

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0930.12
Expiration Date 02/11/2019
By *[Signature]*
Miami Date Product Control

Engineer Of Record:
Chelsea G. Welch
Engineering Discipline:
Civil/Structural
Registration Number:
FL #67221

C	Engineer Of Record	KJM	RKP	CGW		9/18/15	
B	Engineer Of Record, Added Dim.	DRP	RKP			1/23/14	
REV	DESCRIPTION		BY	CHK	APVD	APVD	DATE
AUTHOR	ENK	10/7/2008	RUSKIN Air & Sound Control 3900 Doctor Greaves Road, Grandview, MO 64030				
CHECKED	DJR	11/15/2008					
APPROVED	DJR	11/15/2008					
MATERIAL			PRODUCT				
			TITLE				
			ELC6375DXD - Comination Louver - Parts				
			SIZE		DWG NO	60-022114-00B	REV
ECN			SCALE		INVENTOR		SHEET 8 OF 9

Line Item	Sheet	Material	Description	Ruskin Number
1	6	(C) 6063-T6 Aluminum	Sill Frame	70-021130-00B
2	6	(C) 6063-T6 Aluminum	Jamb Frame	70-020691-00B
3	6	(B) 6063-T6 Aluminum	Hidden Mullion	70-021791-00B
4	6	(C) 6063-T6 Aluminum	Head Frame	70-020689-00B
5	6	(B) 6063-T6 Aluminum	Drainable Blade	70-021718-00B
6	7	(B) 6063-T6 Aluminum	Blade brace	70-021719-00B
7	7	(C) 6063-T6 Aluminum	Operable Damper Blade	70-021027-00B
8	7	6063-T5 Aluminum	Mullion Support Channel	70-021797-00B
9	7	6063-T5 Aluminum	Mullion Support	N/A
10	8	(C) 6063-T6 Aluminum	Blade Stop	N/A
11	8	Stainless Steel	Jamb Seal	N/A
12	8	Galv. Steel	Tie Bar	N/A
13	8	Steel	Linkage Assembly	77-002008-01B
14	8	Zinc Plated Steel	Idler Axle	77-002302-01A
15	8	Galv. Steel	Hand Quadrant Plate	70-003023-00B
16	8	Galv. Steel	Hand Quadrant Arm	73-003021-01B
17	7	3003-H14 Aluminum	Mounting Clip Angle	N/A
18	7	3003-H14 Aluminum	Mounting Clip Angle	N/A
19	N/A	Zinc Plated Steel	Lag Screw, 3/8"Ø x 2" Long	N/A
20	N/A	Zinc Plated Steel	Self Drilling Screw, #10 HWH x 1 1/2" Long (C)	N/A
21	N/A	N/A	N/A	N/A
22	N/A	Zinc Plated Steel	Bolt, 1/4-20 x 2 1/2" Long	N/A
23	N/A	Zinc Plated Steel	Nut, 1/4-20 Hex	N/A

Structure Material	Fastener Specification
Wood	3/8"Ø x 2" Long Lag Screw, 2" Min. Edge Distance
Steel (16 Ga. Min.)	3/8"Ø Self Tapping Screw or Bolt, 3/4" Min. Edge Distance
Concrete (2000 psi Min.)	3/8"Ø Hilti HLC Sleeve Anchor, 1 1/4" Min. Embedment, 3" Min. Edge Distance

(A)

(B)

Richard Welch
9/27/05

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PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 150730.12
Expiration Date 02/11/2019
By *[Signature]*
Miami Dade Product Control

(C)

Engineer Of Record:
Chelsea G. Welch
Engineering Discipline:
Civil/Structural
Registration Number:
FL #67221

C	Engineer Of Record, Material For Items 1, 2, 4, 7 & 10. Description Of Item 20		KJM	RKP	CJW		9/18/15	
B	Engineer Of Record, Material For Items 3, 5 & 6. Added Edge Dist.		DRP	RKP			1/23/14	
A	Fastener Spec. Table		VMA	DWS	DJR		11/5/08	
REV	DESCRIPTION		BY	CHK	APVD	APVD	DATE	
AUTHOR		ENK	8/15/2008	RUSKIN Air & Sound Control 3900 Doctor Greaves Road, Grandview, MO 64030				
CHECKED		DJR	11/15/2008					
APPROVED		DJR	11/15/2008					
MATERIAL			PRODUCT					
			TITLE ELC6375DXD - Combination Louver - Parts List And Fastener Specs					
			SIZE B		DWG NO 60-022114-00B		REV	
ECN			SCALE		INVENTOR			SHEET 9 OF 9